

Abstract

Virtual memory is mapped to physical memory in a computerized system.

Two or more contiguous pages in virtual memory to be mapped to physical memory are identified, and the size in pages of the two or more contiguous pages is determined.

An alignment in pages is determined for the two or more contiguous pages of virtual

5 memory, and a free bit data structure is searched to locate a free section of contiguous physical memory having the desired size and alignment. The two or more pages of virtual memory are then mapped via a single mapping to located free section of contiguous physical memory.